

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

LISTING OF CLAIMS:

1. (Canceled)

2. (Currently Amended) The apparatus of claim 23 4, wherein the drive means comprises:
a coupling; and
a lead screw attached to the coupling, wherein a rotation of the lead screw in a first direction is operable to move the fold rollers against the fold blade.

3. (Canceled)

4. (Currently Amended) An The apparatus of claim 3, for folding sheet material, comprising:
a fold blade;
two fold rollers;
a pinch foot for clamping against the fold blade; and
drive means for moving at least one of the fold blade and the fold
rollers into operable communication with one another, wherein each of the fold
rollers rotates about an axis parallel to a longitudinal axis of the fold blade,

wherein the pinch foot retracts into a housing and maintains a pressure against the fold blade as the fold rollers and the fold blade move relative to one another and wherein the pinch foot is stationary with respect to the longitudinal axis of the fold blade.

wherein the fold blade includes a rounded folding surface, and
wherein at least one of the a size and a shape of the rounded folding surface is adjustable.

5. (Original) The apparatus of claim 2, comprising:
a housing to which the fold rollers are rotatably mounted, wherein the housing is attached to the coupling.
6. (Original) The apparatus of claim 5, wherein the pinch foot is elastically mounted to the housing.
7. (Original) The apparatus of claim 6, wherein each fold roller comprises:
multiple sub-rollers.
8. (Original) The apparatus of claim 7, wherein the pinch foot is positioned in a space between two sub-rollers.
9. (Currently Amended) The apparatus of claim 23 4, wherein the fold blade is positioned in a plane which passes between the fold rollers.

10. (Currently Amended) The apparatus of claim 23 4, wherein the housing comprises:

two fold flaps for forcing a sheet material around the fold blade.

11. (Original) The apparatus of claim 10, wherein the fold flaps are pivotably biased towards each other.

12. (Original) The apparatus of claim 10, wherein the fold rollers are rotatably mounted on the fold flaps such that the fold rollers are biased towards each other.

13. (Currently Amended) The apparatus of claim 23 4, wherein the drive means moves the fold roller along linear path orthogonal to the sheet material to be folded.

14. (Canceled)

15. (Currently Amended) The method of claim 21 17, wherein the fold is formed by moving the fold rollers relative to the fold blade such that the fold blade and the sheet material pass between the fold rollers.

16. (Canceled)

17. (Currently Amended) A The method of claim 16 for folding a sheet of material, comprising the steps of:

feeding a sheet material into an area between two fold rollers and a fold blade;

clamping the sheet material against the fold blade with a pinch foot; and
moving the fold rollers and the fold blade relative to one another to form a fold
in the sheet using the fold blade, wherein the fold rollers rotate about an axis parallel
to a longitudinal axis of the fold blade,

wherein the feeding step comprises the step of guiding the sheet material past
the fold blade with a guide and the guide moves away from the fold blade as the fold
is formed, and

wherein the pinch foot retracts into a housing and maintains a pressure
against the fold blade as the fold rollers and the fold blade move relative to one
another and wherein the pinch foot is stationary with respect to a longitudinal axis of
the fold blade.

18. (Currently Amended) The method of claim 24 17, comprising the step of:

scoring the sheet material with a scoring roller.

19. (Currently Amended) The method of claim 24 17, wherein each fold roller comprises:

multiple sub-rollers, wherein a cumulative length of the sub-rollers and spaces between the sub-rollers is at least the length of a desired fold.

20. (Currently Amended) The method of claim 21 17, wherein each of the fold rollers rotate about the axis in a first direction and in a second direction.

21. (Canceled)

22. (Currently Amended) The apparatus of claim 23 4, wherein each of the fold rollers rotate about the axis in a first direction and in a second direction.

23. (Canceled)

24. (New) The method of claim 17, wherein the fold blade includes a rounded folding surface, and the method comprises the step of adjusting at least one of a size and a shape of the rounded folding surface.